

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	92	570/101	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/01/19 14:05
L2	4450432	solid support linker.clm.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/01/19 14:06
L3	21	fluorohaloalkane	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/01/19 14:06
L4	16	L2 and L3	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/01/19 14:08
L5	92	570/101	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/01/19 14:10
L6	6	570/106	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/01/19 14:08
L7	58	L5 and L2	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/01/19 14:11
S1	21	fluorohaloalkanes	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 17:10
S2	231366	radiolabelled fluorine	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 14:52
S3	6	S1 and S2	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 14:52
S4	286	568/33	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 14:53
S6	2220	424/1	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 14:54

EAST Search History

S7	0	S3 and S4	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 14:54
S8	4293530	solid support linker.clm.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 14:55
S9	21	fluorohaloalkane	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 14:55
S10	16	S8 and S9	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 14:55
S11	231366	radiolabelled fluorine	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 14:56
S12	5	S10 and S11	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 14:56
S13	2107563	polymeric film	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 17:40
S14	888182	nitro benzyl esters	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 17:40
S15	325368	S13 and S14	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 17:41
S16	801213	projection lithography	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 17:41
S17	18258	S15 and S16	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 17:41
S18	2790282	visible light	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 17:42
S19	15432	S17 and S18	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 17:43

EAST Search History

S20	481660	synthesis	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 17:43
S21	6096	S19 and S20	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 17:43
S22	4292329	solid support	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 17:44
S23	5583	S21 and S22	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 17:44
S24	1857256	polymers	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 17:44
S25	5128	S23 and S24	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 17:45
S26	336750	ortho nitro phenylmethyl carboxylates	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 17:45
S27	3131	S25 and S26	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 17:46
S28	2639842	UV light	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 17:46
S29	3108	S27 and S28	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 17:46

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S1	21	fluorohaloalkanes	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 17:10
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S3	6	S1 and S2	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 14:52
S4	286	568/33	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 14:53
S5	86	570/101	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 14:54
S6	2220	424/1	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 14:54
S7	0	S3 and S4	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 14:54
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S9	21	fluorohaloalkane	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 14:55
S10	16	S8 and S9	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 14:55
S11	231366	radiolabelled fluorine	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 14:56
S12	5	S10 and S11	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 14:56

EAST Search History

S13	2107563	polymeric film	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 17:40
S14	888182	nitro benzyl esters	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 17:40
S15	325368	S13 and S14	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 17:41
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S17	18258	S15 and S16	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 17:41
S18	2790282	visible light	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 17:42
S19	15432	S17 and S18	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 17:43
S20	481660	synthesis	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 17:43
S21	6096	S19 and S20	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 17:43
S22	4292329	solid support	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 17:44
S23	5583	S21 and S22	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 17:44
S24	1857256	polymers	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 17:44
S25	5128	S23 and S24	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 17:45

EAST Search History

S26	336750	ortho nitro phenylmethyl carboxylates	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 17:45
S27	3131	S25 and S26	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 17:46
S28	2639842	UV light	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 17:46
S29	3108	S27 and S28	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/07 17:46

result in loss of user privileges and other penalties.

* * * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 13:34:20 ON 19 JAN 2007

| | | | |
|----------------------|--|------------|---------|
| => file caplus | | SINCE FILE | TOTAL |
| COST IN U.S. DOLLARS | | ENTRY | SESSION |
| FULL ESTIMATED COST | | 0.21 | 0.21 |

FILE 'CAPLUS' ENTERED AT 13:34:39 ON 19 JAN 2007

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FILE COVERS 1907 - 19 Jan 2007 VOL 146 ISS 5
FILE LAST UPDATED: 18 Jan 2007 (20070118/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s solid-phase preparation of fluorohaloalkanes
1053144 SOLID
288778 SOLIDS
1266108 SOLID
(SOLID OR SOLIDS).
1732748 PHASE
361078 PHASES
1884639 PHASE
(PHASE OR PHASES)
1486457 PREPARATION
78485 PREPARATIONS
1561088 PREPARATION
(PREPARATION OR PREPARATIONS)
2774886 PREPN
207266 PREPNS
2931112 PREPN
(PREPN OR PREPNS)
3746966 PREPARATION
(PREPARATION OR PREPN)
26 FLUOROHALOALKANES
L1 0 SOLID-PHASE PREPARATION OF FLUOROHALOALKANES
(SOLID(W) PHASE(W) PREPARATION(1W) FLUOROHALOALKANES)

=> s fluorohaloalkane
15 FLUOROHALOALKANE
26 FLUOROHALOALKANES
L2 36 FLUOROHALOALKANE
(FLUOROHALOALKANE OR FLUOROHALOALKANES)

=> s phase transfer catalyst

1732748 PHASE
 361078 PHASES
 1884639 PHASE
 (PHASE OR PHASES)
 802615 TRANSFER
 26921 TRANSFERS
 815682 TRANSFER
 (TRANSFER OR TRANSFERS)
 746419 CATALYST
 749388 CATALYSTS
 958776 CATALYST
 (CATALYST OR CATALYSTS)
 L3 8069 PHASE TRANSFER CATALYST
 (PHASE (W) TRANSFER (W) CATALYST)

 => s L2 and L3
 L4 0 L2 AND L3

 => s solid support-linker
 1053144 SOLID
 288778 SOLIDS
 1266108 SOLID
 (SOLID OR SOLIDS)
 472807 SUPPORT
 132224 SUPPORTS
 561717 SUPPORT
 (SUPPORT OR SUPPORTS)
 21147 LINKER
 5047 LINKERS
 24057 LINKER
 (LINKER OR LINKERS)
 L5 14 SOLID SUPPORT-LINKER
 (SOLID(W) SUPPORT(W) LINKER)

 => s L2 and L5
 L6 2 L2 AND L5

 => d L6 1-2 bib abs

 L6 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2004:550927 CAPLUS
 DN 141:106183
 TI Solid-phase preparation of [18F]fluorohaloalkanes by
 fluorination of solid support linked haloalkyl sulfonate with
 [18F]-fluoride ion
 IN Brady, Frank; Luthra, Sajinder Kaur; Zhao, Yongjun
 PA Hammersmith Imanet Limited, UK
 SO PCT Int. Appl., 18 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|--|------|----------|-----------------|----------|
| PI | WO 2004056726 | A1 | 20040708 | WO 2003-GB5630 | 20031219 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO,
NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ,
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| | RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,
BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK,
TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |

AU 2003295152 A1 20040714 AU 2003-295152 20031219
 EP 1572602 A1 20050914 EP 2003-786153 20031219
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
 JP 2006510709 T 20060330 JP 2004-561682 20031219
 US 2006069294 A1 20060330 US 2005-539163 20050614
 PRAI GB 2002-29688 A 20021220
 WO 2003-GB5630 W 20031219
 OS MARPAT 141:106183
 AB The invention relates to a process for the production of an [18F] fluorohaloalkane which comprises treatment of a solid support-bound precursor of formula SOLID SUPPORT-LINKER-SO₂-O-(CH₂)_nX (wherein n = an integer of from 1 to 7; X = Cl, Br, iodo) with 18F⁻ ion to produce the [18F] fluorohaloalkane of formula 18F-(CH₂)_n-X (wherein n and X are as defined above) optionally followed by (i) removal of excess 18F⁻ ion, for example by ion-exchange chromatog.; and/or (ii) removal of organic solvent. The [18F] fluorohaloalkane is useful for positron-emission tomog. (PET) chemical. Thus, PS-CH₂N(Et)SO₂(CF₃)₂SO₂OCH₂Br (PS = polystyrene resin) (preparation given) was fluorinated by kryptofix, K₂CO₃, and [18F]F⁻ in MeCN at 85° for 10 min and filtered. The solution was then passed onto a C18 solid phase extraction cartridge and washed with water to remove MeCN, kryptofix and K₂CO₃. Addition of more MeCN washed the radiofluorinated product, (i.e. [18F]-fluorobromomethane) of the cartridge into a solution of 0.1 M HCl.

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2004:287826 CAPLUS
 DN 140:303307
 TI Preparation of (radiolabeled) fluorohaloalkanes by halogenation of silylfluoroalkanes
 IN Brady, Frank; Luthra, Sajinder; Zhao, Yongjun
 PA Hammersmith Imanet Ltd., UK
 SO PCT Int. Appl., 15 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | WO 2004029006 | A2 | 20040408 | WO 2003-GB4026 | 20030918 |
| | WO 2004029006 | A3 | 20040513 | | |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| | AU 2003264895 | A1 | 20040419 | AU 2003-264895 | 20030918 |
| | EP 1554231 | A2 | 20050720 | EP 2003-798241 | 20030918 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK | | | | |
| | JP 2006500419 | T | 20060105 | JP 2004-539176 | 20030918 |
| | US 2006106219 | A1 | 20060518 | US 2005-528645 | 20051118 |
| PRAI | GB 2002-22426 | A | 20020927 | | |
| | WO 2003-GB4026 | W | 20030918 | | |
| OS | MARPAT 140:303307 | | | | |
| AB | X(CH ₂) _n F (X = halo; n = 1-6) were prepared by reaction of R'R''R'''Si(CH ₂) _n F (R', R''' = alkyl, haloalkyl; R'' = alkyl, haloalkyl, solid | | | | |

support-linker unit; n = 1-6) with XY (X, Y = halo).
Thus, Me₃SiCH₂OSO₂CF₃ was heated 5 min. with [18F]-Kryptofix 2.2.2 complex
in MeCN at 75°; Bu₄NF in MeCN and Br₂ in MeOH were added followed
by sealing and heating at 110° for 3-4 min. to give
[18F]-fluorobromomethane in 55-70% radiochem. yield.

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|--|------------------|---------------|
| FULL ESTIMATED COST | 29.18 | 29.39 |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE ENTRY | TOTAL SESSION |
| CA SUBSCRIBER PRICE | -1.56 | -1.56 |

STN INTERNATIONAL LOGOFF AT 13:36:37 ON 19 JAN 2007